



Tecumseh

Performance Data Sheet

AJEK513ZHZ

General Information

Model	AJEK513ZHZ	Refrigerant	R-404A
Test Condition	Tecumseh Europe	Performance Test Voltage	220V ~ 60HZ
Return Gas	-6.7°C (20°F) SUPERHEAT	Motor Type	CSR

Performance Information

Evap Temp (°C)	Condensing Temperature (°C)				
		30	40	50	60
-23.3	Watts (Capacity)	1450	1100	809	578
	Watts (Power)	887	836	791	758
	Amps	3.98	3.86	3.74	3.63
-20	Watts (Capacity)	1780	1380	1050	771
	Watts (Power)	956	912	882	870
	Amps	4.27	4.25	4.23	4.21
-15	Watts (Capacity)	2360	1880	1470	1110
	Watts (Power)	1060	1030	1020	1040
	Amps	4.72	4.84	4.96	5.09
-10	Watts (Capacity)	3050	2480	1960	1510
	Watts (Power)	1150	1140	1160	1220
	Amps	5.17	5.43	5.69	5.95
-6.7	Watts (Capacity)	3570	2920	2340	1820
	Watts (Power)	1210	1210	1250	1340
	Amps	5.47	5.82	6.16	6.51
-5	Watts (Capacity)	3860	3170	2550	1990
	Watts (Power)	1240	1250	1300	1400
	Amps	5.63	6.02	6.41	6.80
0	Watts (Capacity)	4790	3980	3240	2550
	Watts (Power)	1320	1350	1440	1590
	Amps	6.10	6.61	7.12	7.64

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	7.655570E+03	1.530210E+03	4.663992E+00	
C2	2.786260E+02	1.362830E+01	2.031386E-02	
C3	-1.074710E+02	-1.375100E+01	4.392193E-02	

C4	3.624230E+00	-3.115990E-01	4.700530E-04	
C5	-2.610370E+00	-2.499450E-01	2.452420E-03	
C6	4.273390E-01	2.047050E-01	1.588010E-04	
C7	1.501510E-02	2.689240E-04	0.000000E+00	
C8	-2.767610E-02	6.662280E-03	-1.167440E-05	
C9	9.780000E-05	1.080090E-02	-1.960000E-07	
C10	-8.911840E-04	6.736470E-04	-1.070000E-06	

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature